

## FACEPLATE WITH INTEGRATED LIGHT-PIPE

Matthew K. Meeker

ABSTRACT

5           A faceplate (indicating operation status of an  
apparatus) includes a bezel and a light-pipe, which are  
integrated into a piece. The faceplate can be injection-  
molded with an optically clear plastic. The light-pipe  
includes a lens and a light guide. The lens focuses light  
10 from a light source toward the light guide and is shaped so  
as to focus and collect the light within a boundary of the  
light guide. The surface of the light guide includes a  
number of mini refracting lenses to promote illumination of  
the light. Alternatively, an ink can be applied on the  
15 surface of the light guide to promote the illumination of  
the light. Further, a diffusing lens can be formed on the  
surface of the light guide to promote illumination of the  
light. The faceplate can include multiple light-pipes.